SEQ ID NO:1

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Tc  MRKSVCPKQKFFFSAFPFFFFFCVFPLISRTGQEKLLFDQKYKIIKGEKKEKKKNQRANRREHQQKREIMRFNKS      75
Tc  FTCIDMHTEGEAARIVTSGLPHIPGSNMAEKKAYLQENMDYLRRGIMLEPRGHDDMFGAFLFDPIEEGADLGMYF     151
Tc  MDTGGYLNMCGHNSIAAVTAAVETGIVSVPAKATNVPVVLDTPAGLVRGTAHLQSGTESEVSNASIINVPSFLYQ     225
Tc  QDVVVVLPKPYGEVRVDIAFGGNFTAIVPAEQLGIDISVQNLSRLQEAGELLRTEINRSVKVQHPQLPHINTVDC     300
Tc  VEIYGPPTNPEANYKNVVIFGNRQADR [SPCGT] GTSAKMATLYAKGQLRIGETFVYESILGSLFQGRV--LGEE     371
Tc    RIPGVKVPVTKDAEEGMLVVTAEITGKAFIMGFNTMLFDPTDPFKNGFTLKQ*     423
```

SEQ ID NO:2

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Tc                                  RTGQEKLLFDQKYKIIKGEKKEKKKNQRANRREHQQKREIMRFKKS   75
Tc  FTCIDMHTEGEAARIVTSGLPHIPGSNMAEKKAYLQENMDYLRRGIMLEPRGHDDMFGAFLFDPIEEGADLGMVF  150
Tc  MDTGGYLNMCGHNSIAAVTAAVETGIVSVPAKATNVPVVLDTPAGLVRGTAHLQSGTESEVSNASIINVPSFLYQ  225
Tc  QDVVVVLPKPYGEVRVDIAFGGNFFAIVPAEQLGIDISVQNLSRLQEAGELLRTEINRSVKVQHPQLPHINTVDC  300
Tc  VEIYGPPTNPEANYKNVVIFGNRQADR [SPCGT] GTSAKMATLYAKGQLRIGETFVYESILGSLFQGRV--LGEE  371
Tc    RIPGVKVPVTKDAEEGMLVVTAEITGKAFIMGFNTMLFDPTDPFKNGFTLKQ*    423
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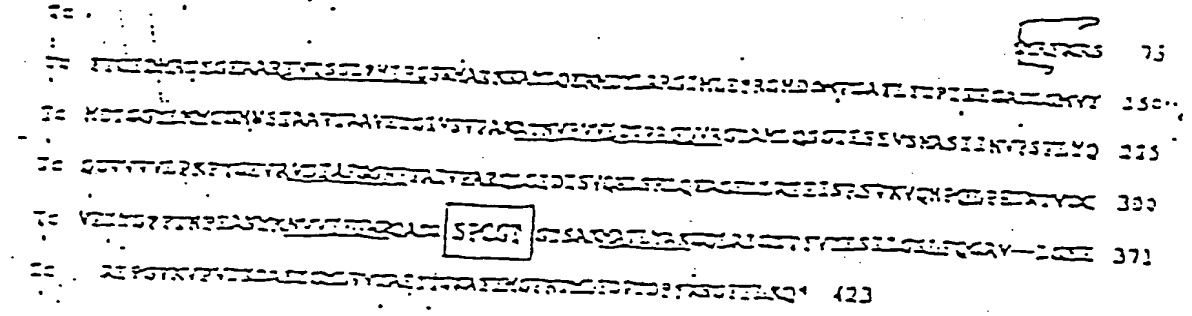
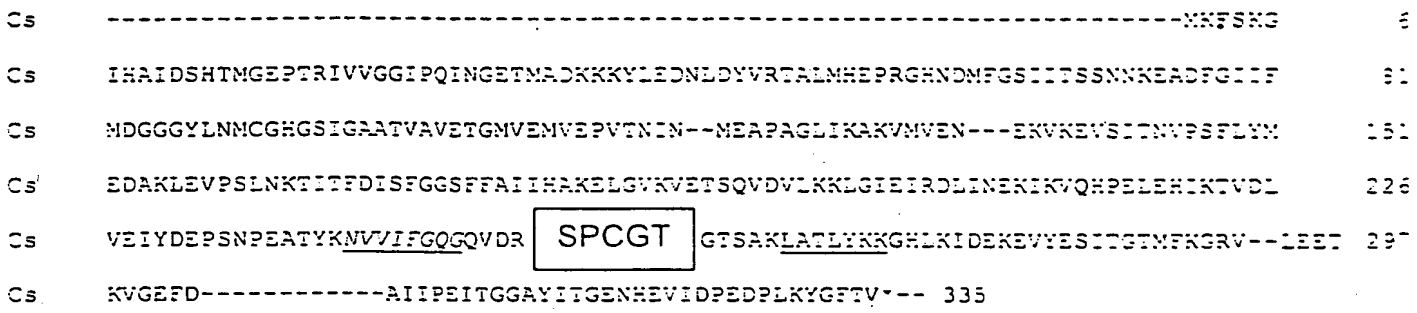
SEQ ID NO:3

Tc MRKSVCPKQKFFFSAFPFFFFFFCVFPLIS

SEQUENCE ID NO.4



SEQUENCE ID NO:5



SEQ ID NO:6

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Pa    ------------------------------------------------------------MQR    3
Pa    IRIIDSHTGGEPTRLVIGGFPDLGQGDMAERRRLLGERHDAWRAACILEPRGSDVLVGALLCAPVDPEACAGVIF   73
Pa    FNNSGYLGMCGHGTIGLVASLAHLGRIGPGV------HRIETPVGEVEATLH-------EDGSVSVRNVPAYRYR  143
Pa    RQVSVEVPGI-GRVSGDIAWGGNWFFLVAGH--GQRLAGDNLDALTATTVAVQQALDD----QDIRGEDGSAIDH  213
Pa    IELFAD--DPHADSRNFVLCPGKAYDR SPCGT GTSAKLACLAADGKLLPGQPWRQASVIGSQFEGRYEWLDGQ  283

Pa     PGGPIVPTIRGRAHVSAEATLLLADDDPFAWGIRR* ----------------    314
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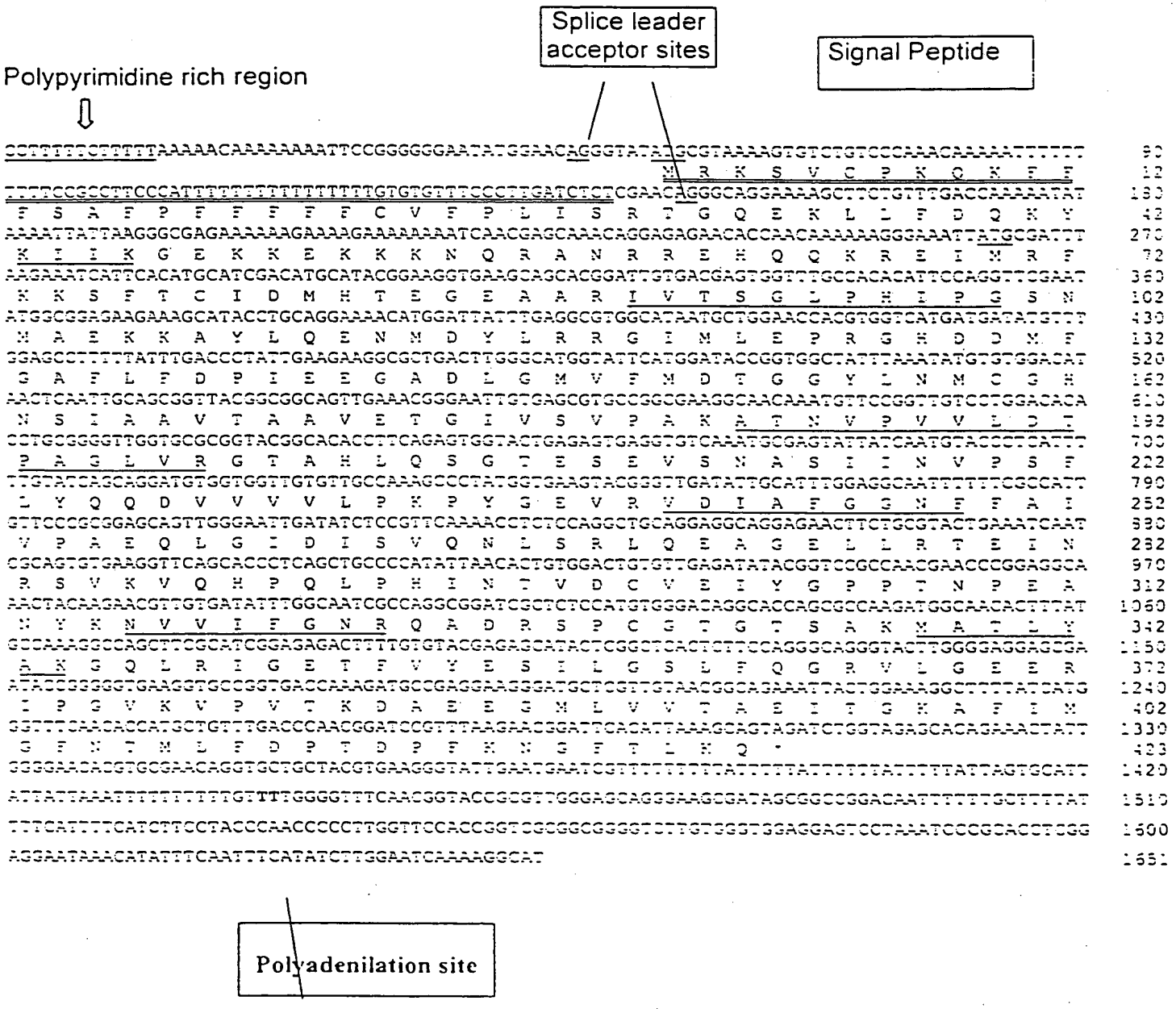
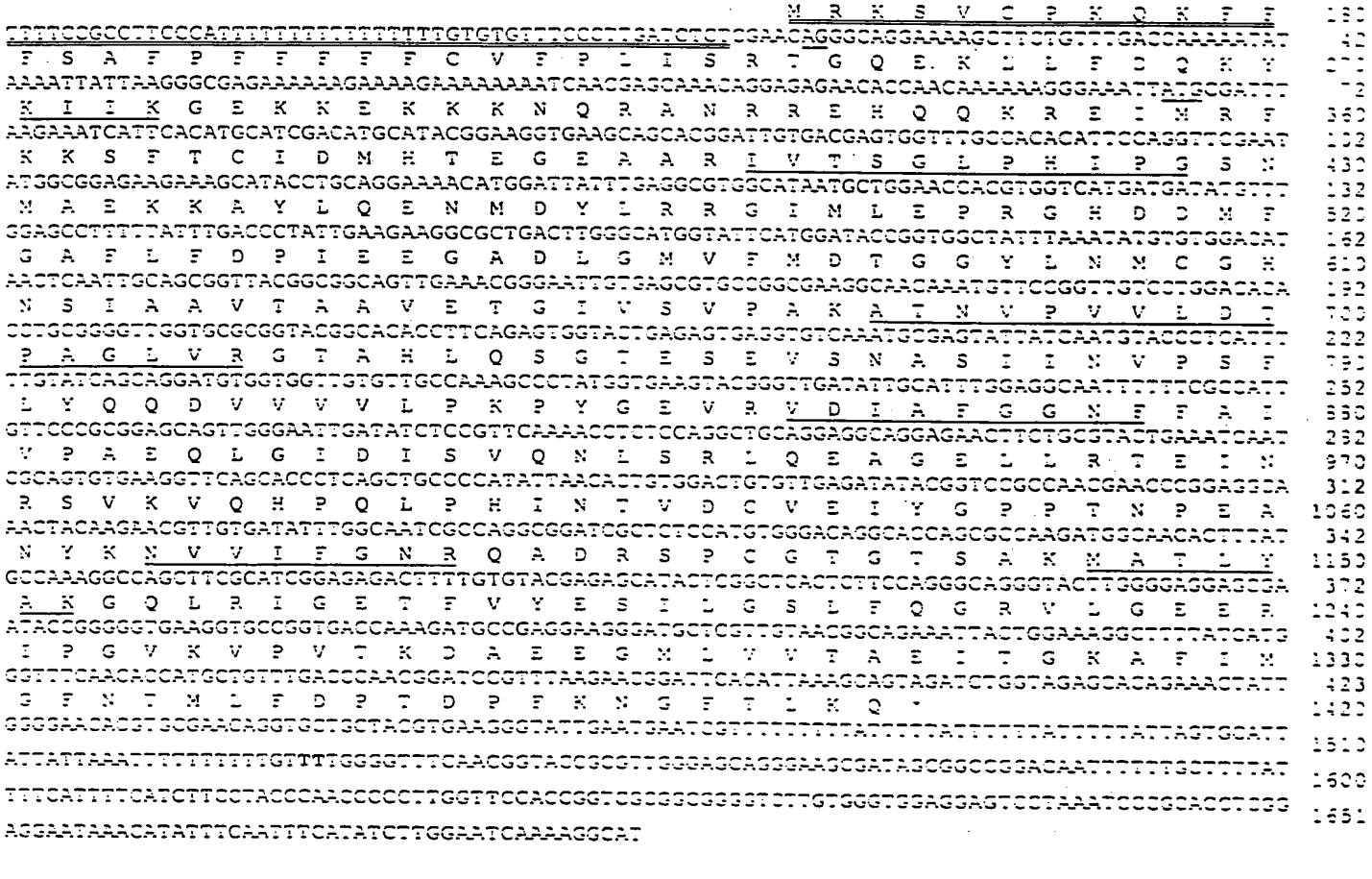
SEQ ID NO: 7



Obs : Underlined the sequenced peptides used to deduce degenerated primers for cloning

(d) Nucleotide sequence and peptide sequence TcPA45

SEQ ID NO.8

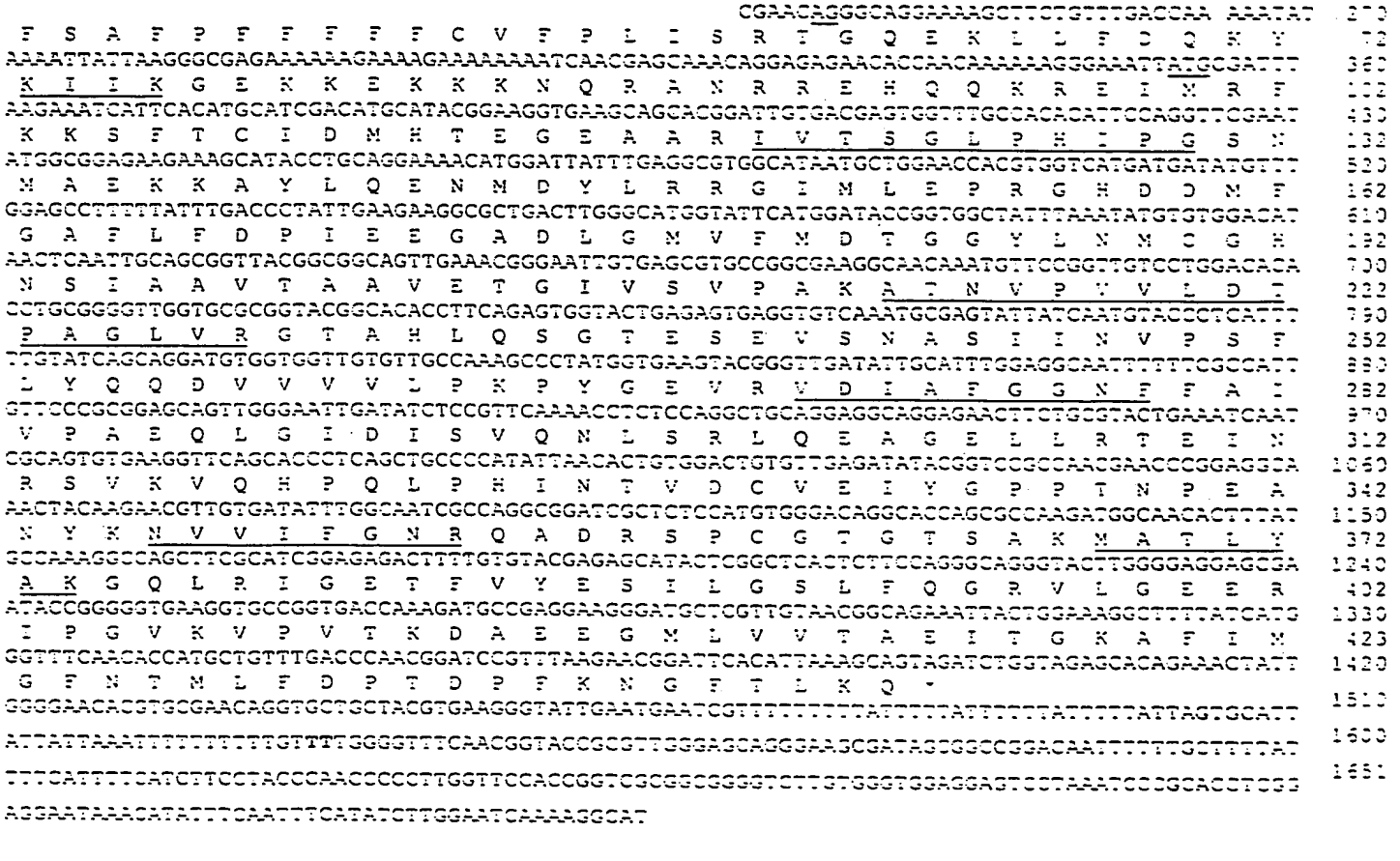


Polyadenilation site

Obs : Underlined the sequenced peptides used to deduce degenerated primers for cloning

(a) Nucleotide sequence and peptide sequence TcPA45

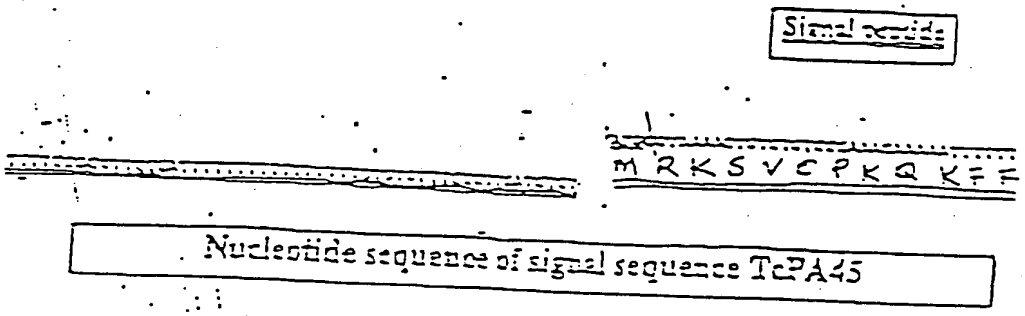
SEQ ID NO.9



Obs : Underlined the sequenced peptides used to deduce degenerated primers for cloning

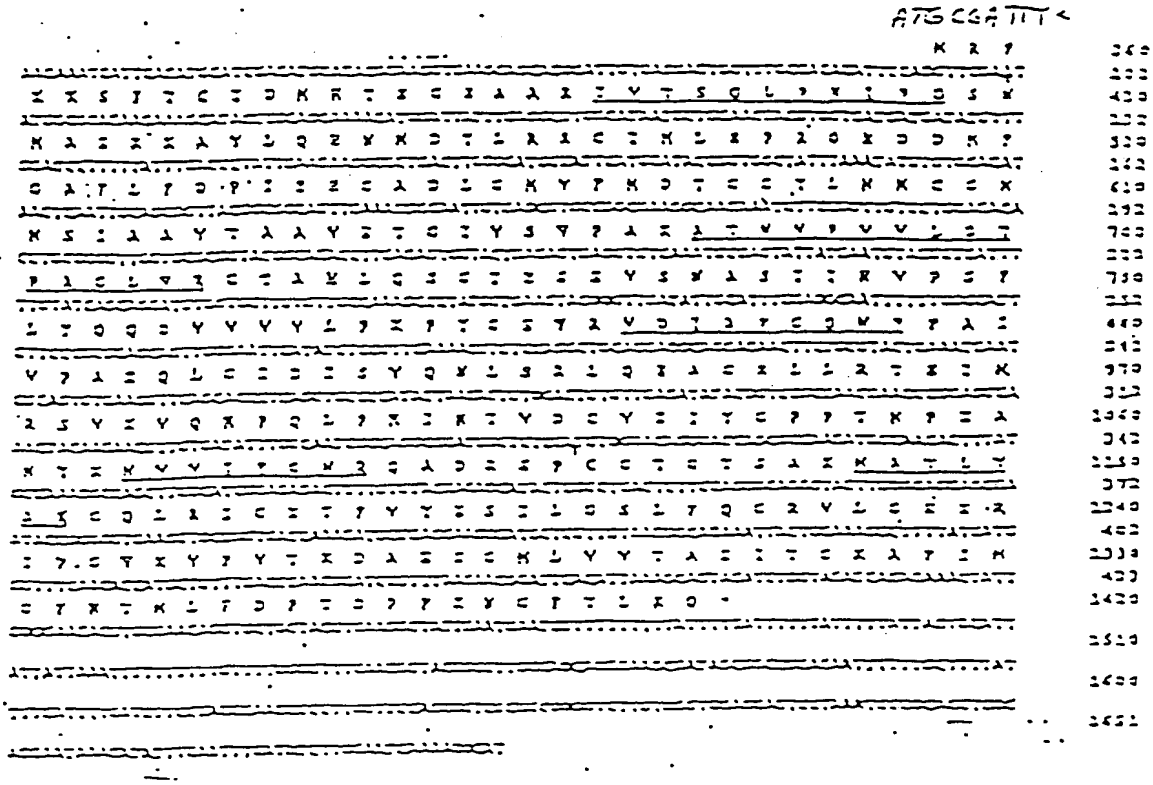
(b) Nucleotide sequence and peptide sequence TcPA45

SEQUENCE ID NO:10



Nucleotide sequence of signal sequence TcPA45

SEQUENCE ID NO:11



SEQ ID NO : 12

5'TTICCRAADATIACIACGTT 3'

SEQ ID NO : 13

5' ATHGCITTYGGIGGIAAYTTT 3'

SEQ ID NO : 14

5' TTICCRAADATIACIACGTT 3'

SEQ ID NO : 15

5' CTCTCCCATGGGGCAGGAAAAGCTTCTG 3'

SEQ ID NO : 16

5' CTGAGCTCGACCAGATCTATCTGC 3'

SEQ ID NO : 17

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  61 aaaagtgtct gtcccaaaca aaaatttttt ttttccgcct tcccattttt ttttttttct
 121 tgtgtgtttc ccttgatctc tcgaacaggg caggaaaagc ttctgtttga ccaaaaatat
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 421 ctggaaccac gtggtcatga tgatatgttt ggagcctttt tatttgaccc tattgaagaa
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 601 gcaacaaatg ttccggttgt cctggacaca cctgcggggt tggtgcgcgg tacggcacac
 661 cttcagagtg gtactgagag tgaggtgtca aatgcgagta ttatcaatgt accctcattt
 721 ttgtatcagc aggatgtggt ggttgtgttg ccaaagccct atggtgaagt acgggttgat
 781 attgcatttg gaggcaattt tttcgccatt gttcccgcgg agcagttggg aattgatatc
 841 tccgttcaaa acctctccag gctgcaggag gcaggagaac ttctgcgtac tgaaatcaat
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1261 ggtttcaaca ccatgctgtt tgacccaacg gatccgttta agaacggatt cacattaaag
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1561 tggttccacc ggtcgcggcg gggtcttgtg ggtggaggag tcctaaatcc cgcacctcgg
1621 aggaataaac atatttcaat ttcatatctt ggaatcaaaa ggcat
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SEQ ID NO : 18

WIIK

SEQ ID NO : 19

IVTGSLPDISG

SEQ ID NO : 20

ATNVPVVLDTPAGLVR

SEQ ID NO : 21

VDIAFGGNF

SEQ ID NO : 22

NVVIFGNR

SEQ ID NO : 23

MATLYAK

SEQ ID NO : 24

5' TCCGTATCCATGTCGATGC 3'

SEQ ID NO : 25

5' TATTATTGATACAGTTTCTG 3'

SEQ ID NO : 26

5' CTCTCCCATGGGGCAGGAAAAGCTTCTG 3'